RAW SEQUENCE LISTING

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Application Serial Number: 10/540,643
Source: PCT
Date Processed by STIC: 2-11-05

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RAW SEQUENCE LISTING DATE: 07/11/2005
PATENT APPLICATION: **US/10/540,643** TIME: 15:13:14

Input Set : **A:\14875-146US1.txt**
Output Set: **N:\CRF4\07112005\J540643.raw**

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      3 <110> APPLICANT: Kojima, Tetsuo
      4       Senoo, Chiaki
      5       Natori, Osamu
      6       Kasutani, Keiko
      7       Ishii, Shinya
      9 <120> TITLE OF INVENTION: AGONIST ANTIBODIES AGAINST HETEROMERIC RECEPTORS
     11 <130> FILE REFERENCE: 14875-146US1
C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/540,643
C--> 13 <141> CURRENT FILING DATE: 2005-06-24
     13 <150> PRIOR APPLICATION NUMBER: PCT/JP2003/015230
     14 <151> PRIOR FILING DATE: 2003-11-28
     16 <150> PRIOR APPLICATION NUMBER: JP 2002-377078
     17 <151> PRIOR FILING DATE: 2002-12-26
     19 <160> NUMBER OF SEQ ID NOS: 30
     21 <170> SOFTWARE: PatentIn version 3.1
     23 <210> SEQ ID NO: 1
     24 <211> LENGTH: 120
     25 <212> TYPE: PRT
     26 <213> ORGANISM: Mus musculus
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     29 Gln Val Gln Leu Lys Gln Ser Gly Ala Glu Leu Val Arg Pro Gly Ala
     30 1               5                  10                  15
     31 Ser Val Arg Leu Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Phe Tyr
     32             20                  25                  30
     33 Trp Ile Asn Trp Ile Lys Gln Arg Pro Glu Gln Gly Leu Glu Trp Ile
     34         35                  40                  45
     35 Gly Arg Ile Asp Pro Tyr Asp Ser Glu Thr Arg Tyr Asn Gln Lys Phe
     36     50                  55                  60
     37 Lys Asp Lys Ala Ile Leu Thr Val Asp Lys Tyr Ser Ser Thr Ala Tyr
     38 65                  70                  75                  80
     39 Met Gln Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys
     40                 85                  90                  95
     41 Ala Lys Gly Val Tyr Asp Gly His Trp Phe Phe Asp Val Trp Gly Ala
     42             100                 105                 110
     43 Gly Thr Ser Val Thr Val Ser Ser
     44         115                 120
     46 <210> SEQ ID NO: 2
     47 <211> LENGTH: 108
     48 <212> TYPE: PRT
     49 <213> ORGANISM: Mus musculus
     51 <400> SEQUENCE: 2
     52 Asp Ile Val Met Thr Gln Ser His Lys Phe Met Ser Thr Ser Val Gly
     53 1               5                  10                  15
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54 Asp Arg Val Ser Ile Thr Cys Lys Ala Ser Gln Asp Val Ser Thr Ala
55             20                  25                  30
56 Val Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Lys Leu Leu Ile
57         35                  40                  45
58 Tyr Ser Ala Ser Tyr Arg Tyr Thr Gly Val Pro Ala Arg Phe Ser Gly
59     50                  55                  60
60 Ser Gly Ser Gly Thr Asp Phe Thr Phe Thr Ile Ser Ser Val Gln Thr
61 65                  70                  75                  80
62 Glu Asp Leu Ala Val Tyr Tyr Cys Gln Gln His Tyr Arg Thr Pro Pro
63                 85                  90                  95
64 Thr Phe Gly Gly Gly Thr Lys Leu Glu Leu Lys Arg
65             100                 105
67 <210> SEQ ID NO: 3
68 <211> LENGTH: 119
69 <212> TYPE: PRT
70 <213> ORGANISM: Mus musculus
72 <400> SEQUENCE: 3
73 Gln Val Gln Leu Gln Gln Ser Gly Pro Glu Leu Glu Lys Pro Gly Ala
74 1               5                   10                  15
75 Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Ser Phe Ser Asp Tyr
76             20                  25                  30
77 Asn Met Asn Trp Val Lys Gln Ser Asn Gly Lys Ser Leu Glu Trp Ile
78         35                  40                  45
79 Gly Asn Ile Asp Pro Tyr Asn Gly Asp Thr Asn Tyr Asn Gln Lys Phe
80     50                  55                  60
81 Lys Gly Lys Ala Thr Leu Thr Leu Asp Lys Ser Ser Ser Thr Ala Tyr
82 65                  70                  75                  80
83 Met Gln Leu Lys Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Phe Cys
84                 85                  90                  95
85 Ala Arg Ser Arg Gly Trp Leu Leu Pro Phe Ala Tyr Trp Gly Gln Gly
86             100                 105                 110
87 Thr Leu Val Thr Val Ser Ala
88         115
90 <210> SEQ ID NO: 4
91 <211> LENGTH: 108
92 <212> TYPE: PRT
93 <213> ORGANISM: Mus musculus
95 <400> SEQUENCE: 4
96 Asp Ile Leu Met Thr Gln Ser Gln Lys Phe Met Ser Thr Ser Val Gly
97 1               5                   10                  15
98 Asp Arg Val Ser Val Thr Cys Lys Ala Ser Gln Asn Val Gly Ile Asn
99             20                  25                  30
100 Val Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Lys Ala Leu Ile
101         35                  40                  45
102 Tyr Ser Ala Ser Tyr Arg Tyr Ser Gly Val Pro Asp Arg Phe Thr Gly
103     50                  55                  60
104 Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Asn Val Gln Ser
105 65                  70                  75                  80
106 Glu Asp Leu Ala Glu Tyr Phe Cys Gln Gln Tyr Asn Ser Tyr Pro Leu
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108 Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys Arg
109             100                 105
111 <210> SEQ ID NO: 5
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114 <213> ORGANISM: Mus musculus
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117 Gln Val Gln Leu Gln Gln Ser Gly Pro Glu Leu Val Arg Pro Gly Val
118 1               5                   10                  15
119 Ser Val Lys Ile Ser Cys Lys Gly Ser Gly Tyr Thr Phe Thr Asp Tyr
120             20                  25                  30
121 Ala Ile His Trp Val Arg Gln Ser His Ala Gln Ser Leu Glu Trp Ile
122         35                  40                  45
123 Gly Val Ile Gly Thr Tyr Ser Gly Asn Arg Asn Tyr Asn Gln Lys Phe
124     50                  55                  60
125 Lys Gly Lys Ala Thr Met Thr Val Asp Lys Ser Ser Ser Thr Ala Tyr
126 65                  70                  75                  80
127 Met Glu Leu Ala Arg Leu Thr Ser Glu Asp Ser Ala Ile Tyr Tyr Cys
128                 85                  90                  95
129 Ala Arg Ser Ala Gly Tyr Ser Leu Asp Phe Trp Gly Gln Gly Thr Ser
130             100                 105                 110
131 Val Thr Val Ser Ser
132         115
134 <210> SEQ ID NO: 6
135 <211> LENGTH: 112
136 <212> TYPE: PRT
137 <213> ORGANISM: Mus musculus
139 <400> SEQUENCE: 6
140 Asp Val Val Met Thr Gln Thr Pro Leu Thr Leu Ser Val Thr Ile Gly
141 1               5                   10                  15
142 Gln Pro Ala Ser Ile Ser Cys Lys Ser Ser Gln Ser Leu Leu Asp Ser
143             20                  25                  30
144 Asp Gly Lys Thr Tyr Leu Asn Trp Leu Leu Gln Arg Pro Gly Gln Ser
145         35                  40                  45
146 Pro Lys Arg Leu Ile Tyr Leu Val Ser Lys Leu Asp Ser Gly Val Pro
147     50                  55                  60
148 Asp Arg Phe Thr Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Lys Ile
149 65                  70                  75                  80
150 Ser Arg Val Glu Ala Glu Asp Leu Gly Val Tyr Tyr Cys Trp Gln Gly
151                 85                  90                  95
152 Lys His Phe Pro Trp Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys
153             100                 105                 110
155 <210> SEQ ID NO: 7
156 <211> LENGTH: 119
157 <212> TYPE: PRT
158 <213> ORGANISM: Mus musculus
160 <400> SEQUENCE: 7
161 Gln Val Gln Leu Gln Gln Ser Gly Gly Glu Leu Val Arg Pro Gly Thr
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Input Set : A:\14875-146US1.txt
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```
162 1               5                   10                  15
163 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ala Phe Thr Asn Tyr
164             20                  25                  30
165 Leu Ile Glu Trp Ile Arg Gln Arg Pro Gly Gln Gly Leu Glu Trp Ile
166         35                  40                  45
167 Gly Val Ile Asn Pro Gly Ser Gly Asn Ser Lys Ser Ser Lys Asn Leu
168     50                  55                  60
169 Lys Gly Lys Ala Thr Leu Thr Ala Asp Lys Ser Ser Asn Thr Ala Tyr
170 65                  70                  75                  80
171 Met Gln Leu Ser Ser Leu Thr Ser Asp Asp Ser Ala Val Tyr Phe Cys
172                 85                  90                  95
173 Ala Arg Ser Gly Val Tyr Gly Ser Ser Pro Asp Tyr Trp Gly Gln Gly
174             100                 105                 110
175 Thr Thr Leu Thr Val Ser Ser
176         115
178 <210> SEQ ID NO: 8
179 <211> LENGTH: 113
180 <212> TYPE: PRT
181 <213> ORGANISM: Mus musculus
183 <400> SEQUENCE: 8
184 Asp Val Val Met Thr Gln Thr Pro Leu Thr Leu Ser Val Thr Ile Gly
185 1               5                   10                  15
186 Gln Pro Ala Ser Ile Ser Cys Lys Ser Ser Gln Ser Leu Leu Asp Ser
187             20                  25                  30
188 Asp Gly Lys Thr Tyr Leu Asn Trp Leu Leu Gln Arg Pro Gly Gln Ser
189         35                  40                  45
190 Pro Lys Arg Leu Ile Tyr Leu Val Ser Lys Leu Asp Ser Gly Val Pro
191     50                  55                  60
192 Asp Arg Phe Thr Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Lys Ile
193 65                  70                  75                  80
194 Ser Arg Val Glu Ala Glu Asp Leu Gly Val Tyr Tyr Cys Trp Gln Gly
195                 85                  90                  95
196 Thr His Phe Pro Gln Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys
197             100                 105                 110
198 Arg
201 <210> SEQ ID NO: 9
202 <211> LENGTH: 118
203 <212> TYPE: PRT
204 <213> ORGANISM: Mus musculus
206 <400> SEQUENCE: 9
207 Gln Val Gln Leu Gln Gln Ser Gly Gly Glu Leu Val Arg Pro Gly Thr
208 1               5                   10                  15
209 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ala Phe Thr Asn Tyr
210             20                  25                  30
211 Leu Ile Glu Trp Val Lys Gln Arg Pro Gly Gln Gly Leu Asp Trp Ile
212         35                  40                  45
213 Gly Met Ile Asn Pro Gly Ser Gly Gly Thr Lys Cys Asn Lys Lys Phe
214     50                  55                  60
215 Lys Gly Lys Val Thr Leu Thr Ala Asp Lys Ser Ser Ser Thr Ala Tyr
```

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PATENT APPLICATION: US/10/540,643 TIME: 15:13:14

Input Set : A:\14875-146US1.txt
Output Set: N:\CRF4\07112005\J540643.raw

```
216 65                  70                  75                  80
217 Met His Leu Ser Ser Leu Thr Ser Asp Asp Ser Ala Val Tyr Phe Cys
218                 85                  90                  95
219 Ala Arg Ser Gly Trp Val Ser Ala Met Asp Tyr Trp Gly Gln Gly Thr
220             100                 105                 110
221 Ser Val Thr Val Ser Ser
222         115
224 <210> SEQ ID NO: 10
225 <211> LENGTH: 113
226 <212> TYPE: PRT
227 <213> ORGANISM: Mus musculus
229 <400> SEQUENCE: 10
230 Asp Ile Val Met Thr Gln Thr Pro Leu Thr Leu Ser Val Thr Ile Gly
231 1               5                   10                  15
232 Gln Pro Ala Ser Ile Ser Cys Lys Ser Ser Gln Ser Leu Leu Asp Ser
233             20                  25                  30
234 Asp Gly Lys Thr Tyr Leu Asn Trp Leu Leu Gln Arg Pro Gly Gln Ser
235         35                  40                  45
236 Pro Lys Arg Leu Ile Tyr Leu Val Ser Lys Leu Asp Ser Gly Val Pro
237     50                  55                  60
238 Asp Arg Phe Thr Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Lys Ile
239 65                  70                  75                  80
240 Ser Arg Val Glu Ala Glu Asp Leu Gly Val Tyr Tyr Cys Trp Gln Gly
241                 85                  90                  95
242 Thr His Phe Pro Gln Thr Phe Gly Gly Gly Thr Lys Leu Glu Leu Lys
243             100                 105                 110
244 Arg
247 <210> SEQ ID NO: 11
248 <211> LENGTH: 118
249 <212> TYPE: PRT
250 <213> ORGANISM: Mus musculus
252 <400> SEQUENCE: 11
253 Gln Val Gln Leu Gln Gln Ser Gly Val Glu Leu Val Arg Pro Gly Thr
254 1               5                   10                  15
255 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ala Phe Thr Asn Tyr
256             20                  25                  30
257 Leu Ile Glu Trp Val Lys Gln Arg Pro Gly Gln Gly Leu Asp Trp Ile
258         35                  40                  45
259 Gly Met Ile Asn Pro Gly Ser Gly Gly Thr Lys Cys Asn Lys Lys Phe
260     50                  55                  60
261 Lys Gly Lys Val Thr Leu Thr Ala Asp Lys Ser Ser Ser Thr Ala Tyr
262 65                  70                  75                  80
263 Met His Leu Ser Ser Leu Thr Ser Asp Asp Ser Ala Val Tyr Phe Cys
264                 85                  90                  95
265 Ala Arg Ser Gly Trp Val Tyr Ala Met Asp Tyr Trp Gly Gln Gly Thr
266             100                 105                 110
267 Ser Val Thr Val Ser Ser
268         115
270 <210> SEQ ID NO: 12
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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 07/11/2005
PATENT APPLICATION: US/10/540,643 TIME: 15:13:15

Input Set : A:\14875-146US1.txt
Output Set: N:\CRF4\07112005\J540643.raw

Invalid <213> Response:
Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:27,28,29,30

VERIFICATION SUMMARY DATE: 07/11/2005
PATENT APPLICATION: US/10/540,643 TIME: 15:13:15

Input Set : A:\14875-146US1.txt
Output Set: N:\CRF4\07112005\J540643.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application No
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date